2092220 659/E8001

FIG.1

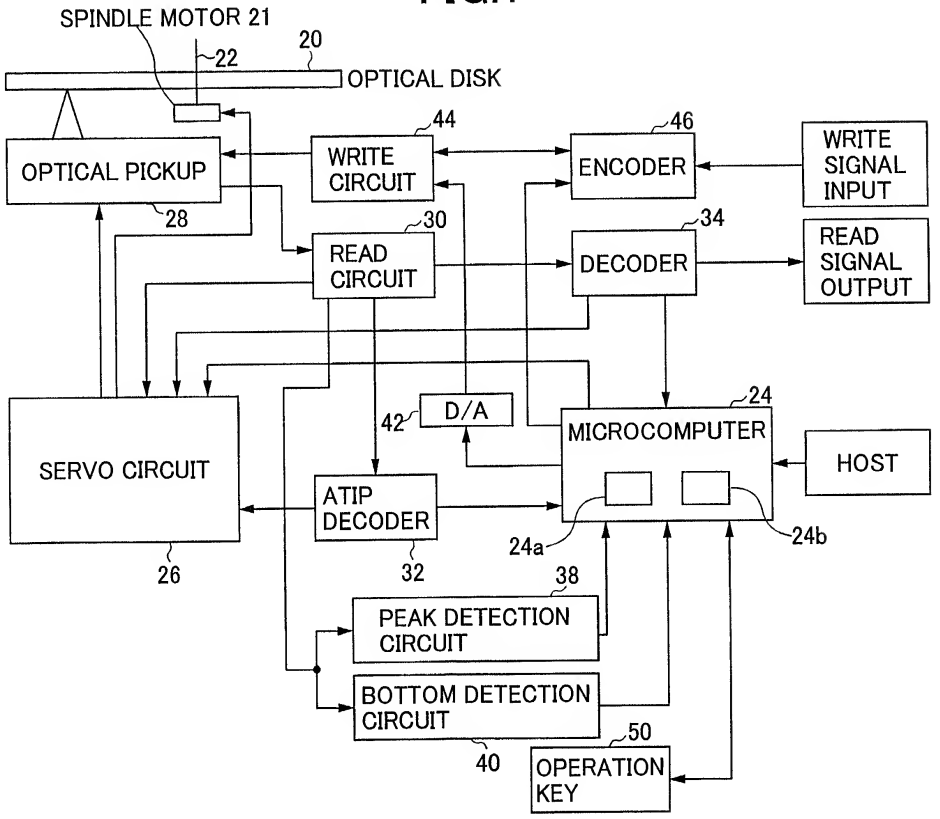

FIG.2

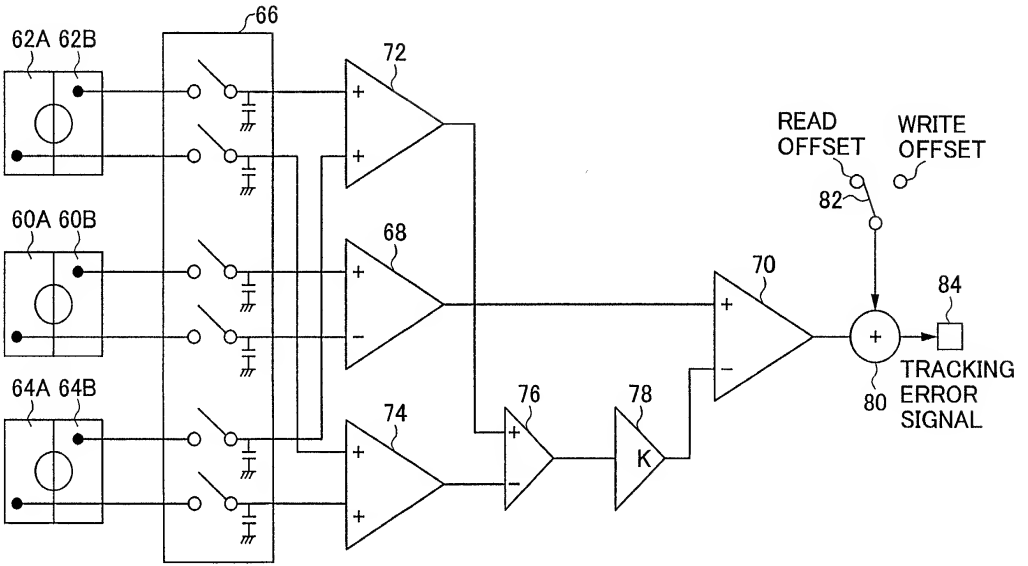
66
62A 62B
60A 60B
64A 64B
72
68
74
76
78
K
70
READ OFFSET
WRITE OFFSET
82
84
80
TRACKING ERROR SIGNAL

FIG.3

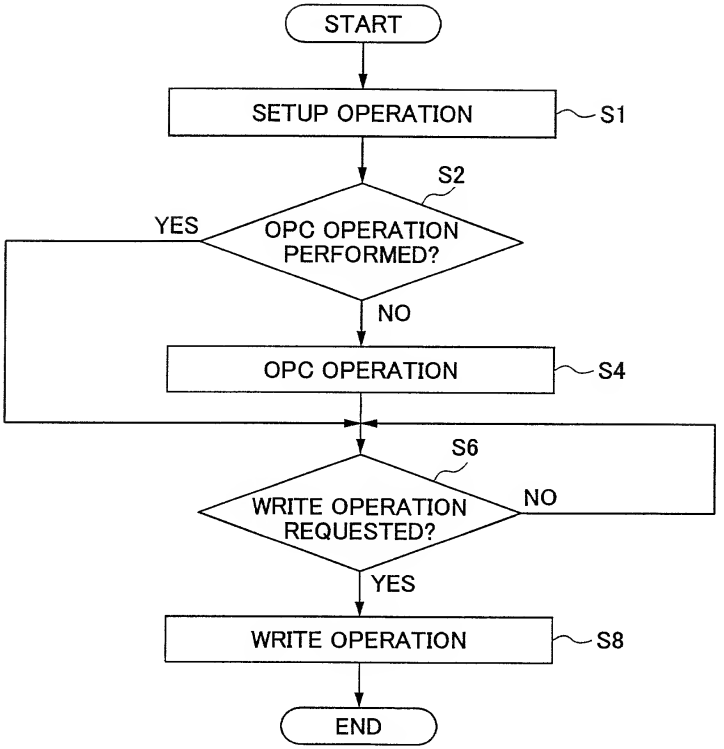
START
SETUP OPERATION
S1
S2
YES
OPC OPERATION PERFORMED?
NO
OPC OPERATION
S4
S6
WRITE OPERATION REQUESTED?
NO
YES
WRITE OPERATION
S8
END

FIG.4

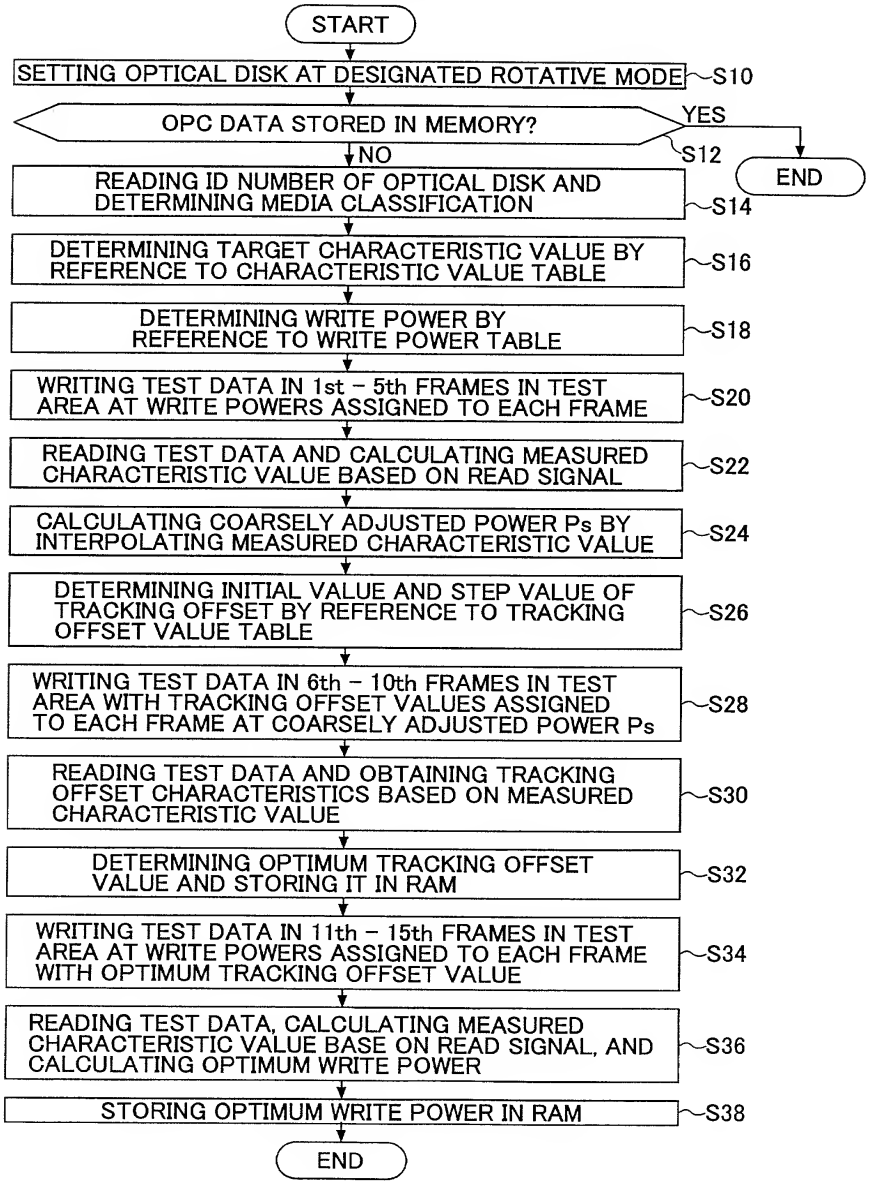

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FIG.5

CHARACTERISTIC VALUE TABLE

DISK ID NUMBER	ROTATIVE MODE	TARGET CHARACTERISTIC VALUE
D1	SINGLE SPEED	β 0
	DOUBLE SPEED	β 1
	4 TIMES SPEED	β 2
	6 TIMES SPEED	β 3
	8 TIMES SPEED	β 4
	12 TIMES SPEED	β 5
	16 TIMES SPEED	β 6
D2	SINGLE SPEED	β 7
	DOUBLE SPEED	β 8
	4 TIMES SPEED	β 9
	6 TIMES SPEED	β 10
	8 TIMES SPEED	β 11
	12 TIMES SPEED	β 12
	16 TIMES SPEED	β 13
⋮	⋮	⋮
⋮	⋮	⋮

2002-6-5/22001-1002

FIG.6

WRITE POWER TABLE

ROTATIVE MODE	INITIAL WRITE POWER	SETP
SINGLE SPEED	Pstt1	Pstp1
DOUBLE SPEED	Pstt2	Pstp2
4 TIMES SPEED	Pstt4	Pstp4
6 TIMES SPEED	Pstt6	Pstp6
8 TIMES SPEED	Pstt8	Pstp8
12 TIMES SPEED	Pstt12	Pstp12
16 TIMES SPEED	Pstt16	Pstp16

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FIG. 7

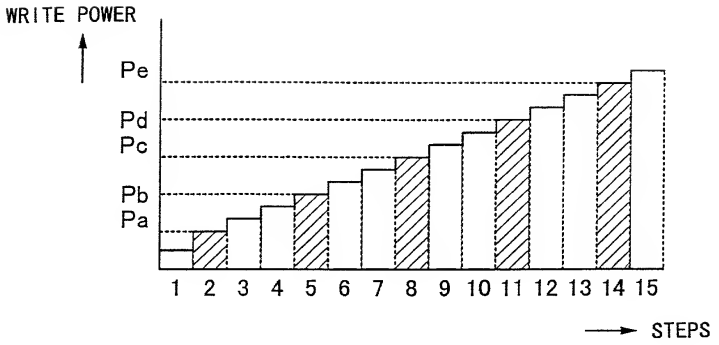

WRITE POWER
Pe
Pd
Pc
Pb
Pa
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
STEPS

FIG. 8

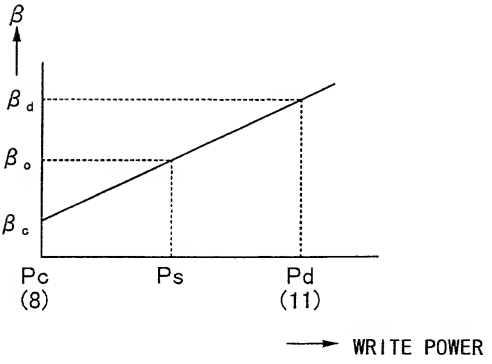

β
βd
βo
βc
Pc
(8)
Ps
Pd
(11)
WRITE POWER

FIG. 9

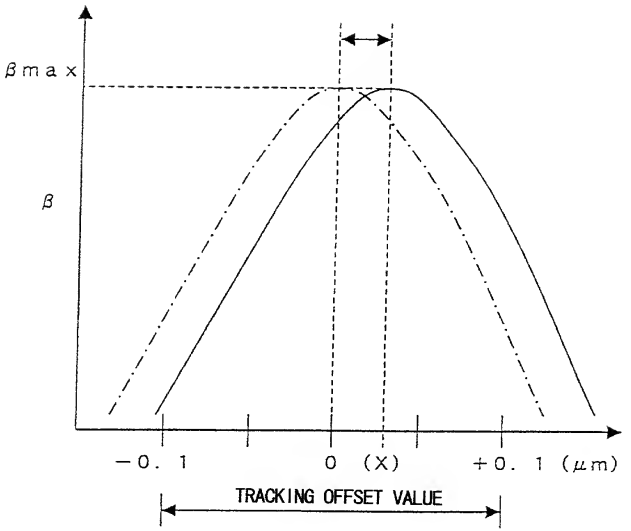


FIG. 10

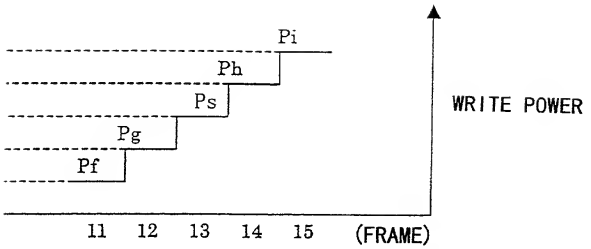


FIG. 11

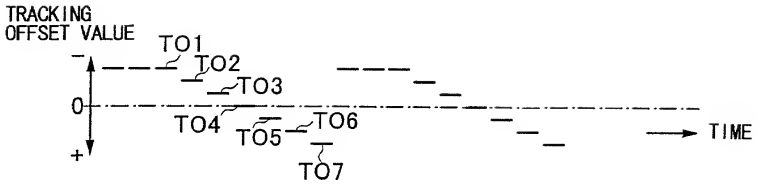

TRACKING
OFFSET VALUE
TO1
TO2
TO3
0
TO4
TO5
TO6
TO7
TIME
−
+

FIG. 12

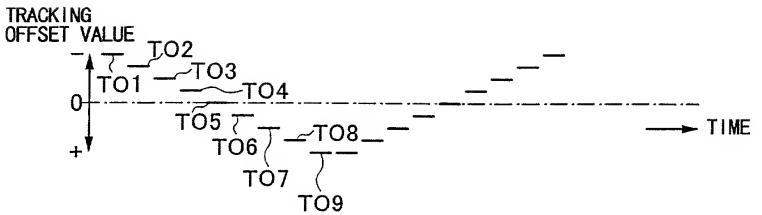

TRACKING
OFFSET VALUE
TO2
TO1
TO3
TO4
0
TO5
TO6
TO8
TO7
TO9
TIME
−
+

FIG. 13

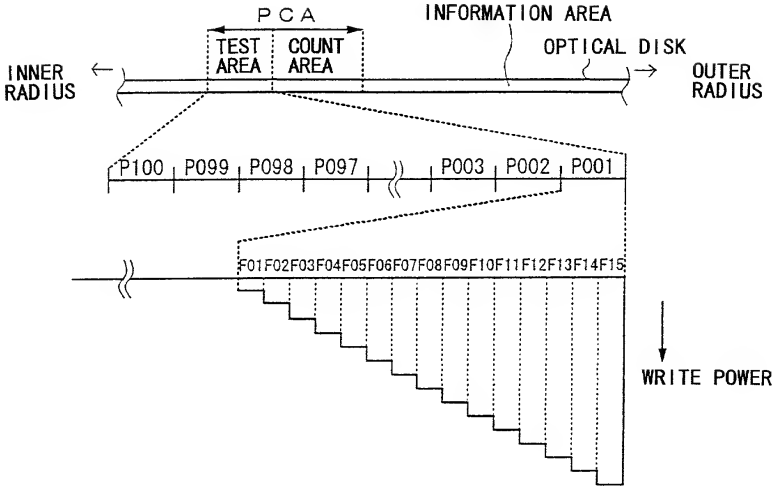

PCA
TEST AREA
COUNT AREA
INFORMATION AREA
OPTICAL DISK
INNER RADIUS
OUTER RADIUS
P100
P099
P098
P097
P003
P002
P001
F01F02F03F04F05F06F07F08F09F10F11F12F13F14F15
WRITE POWER

FIG. 14

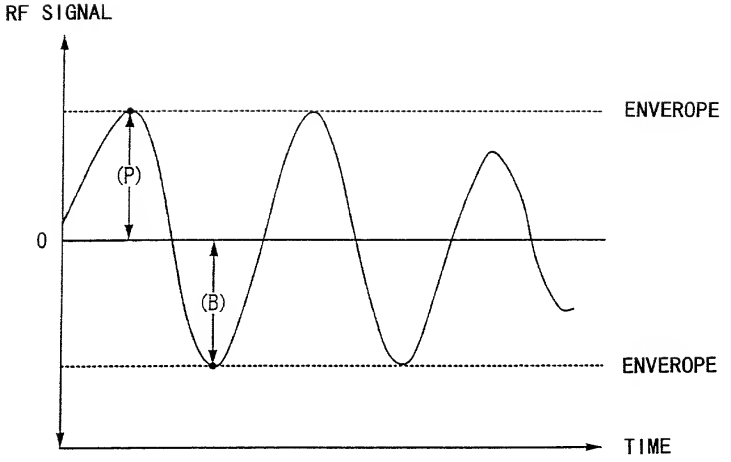


FIG. 15

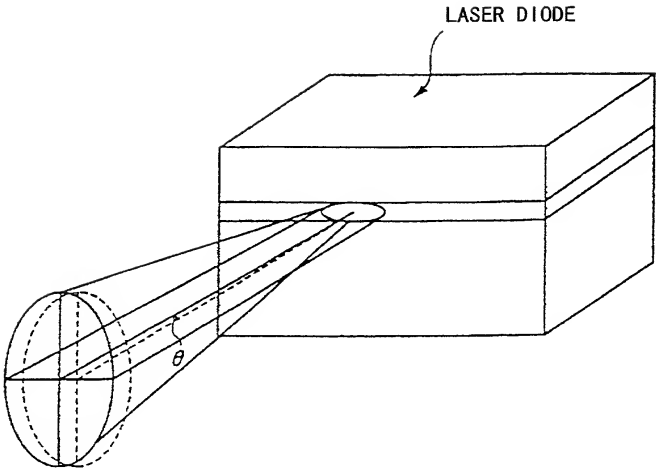
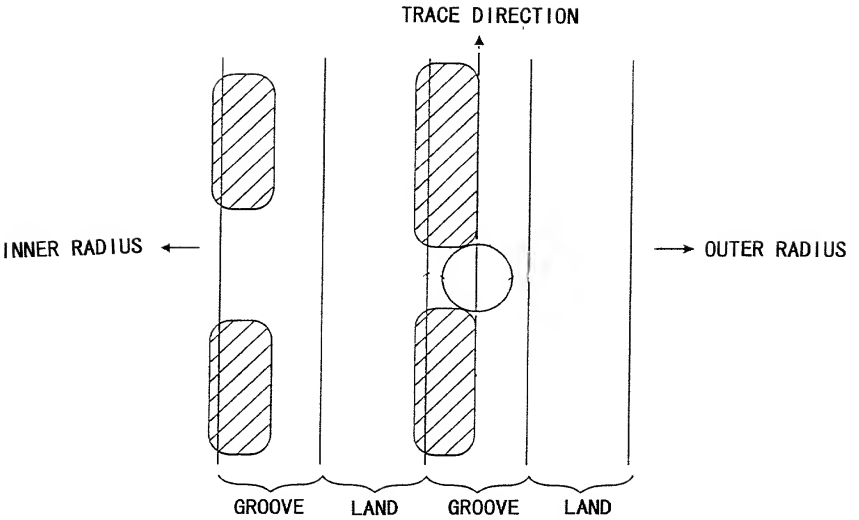


FIG. 16


TRACE DIRECTION
INNER RADIUS
OUTER RADIUS
GROOVE
LAND
GROOVE
LAND

2093207 65/E8001

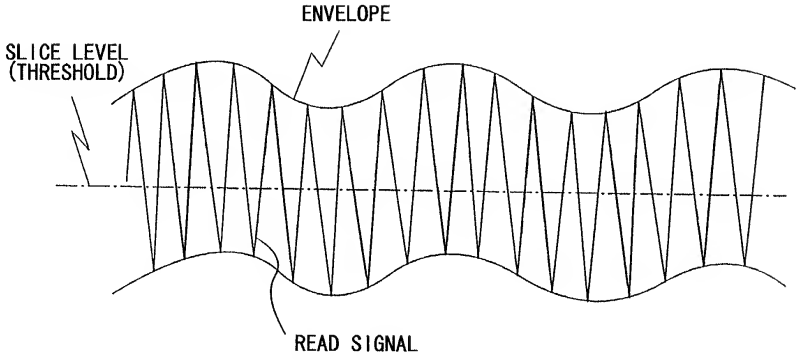



FIG. 17